
* INDIANA SINCLAIR-TIMEX USERS GROUP NEWSLETTER *

March 1987

Editor-Frank Davis

NEXT MEETING

The next meeting of the Users Group ISTUG, will be at the home of Paul Holmgren, the Mad Programmer, as he is known to his friends. His address is 5231 Wilton Wood Ct., Indianapolis, IN. 46254. The meeting will start at 1:30 PM on April 25, 1987. For those needing directions, give Paul a call at 317-291-6002.

This meeting will center around the topic of the upcoming 1987 Midwest Timex-Sinclair Computer Fest. Our user group is the host organization for this years Fest with the assistance of some of the committee members from last years Fest we held in Ohio. As I am the Founder and Producer of these shows I want to see them a success, which means that you folks need to both enjoy them and learn something from them. It is also the best place in North America (and possibly South America) to get bargains for your computers. Paul Holmgren as the Executive Chairman has worked very hard at putting this show together and monitoring the details. Willie Jones has worked as informing other user groups about the show, mailing lists, planning the registration, etc. Ralph McCrum has put a lot of effort into getting some valuable door prizes from the vendors to give away at the show, and for the signs to let people know what is where. Basil Wentworth has planned a superb set of lectures and seminars to further enlighten us on the many uses these machines can have. This is to name but a few of the people who have worked on this. With all this work done, all we need from the rest of you is to attend and to give us a hand for a few hours if at all possible, that way we can enjoy some of the show also.

Also at the meeting, besides the Fest, I hope to be able to demo a desk top publishing program for the QL, called Front Page. I have a copy of the very latest version of it. Right now I am just getting a little familiar with it myself, so that I do not have to fumble with it on the demo. Wish me luck.

NOTE ON HOTEL

Those of you who have not made your room reservations for the Fest should do so at the soonest. Do not call the Toll-Free number as it is booked up. You should call the local number and be sure to tell them you want a reservation for the Midwest Timex-Sinclair Computer Fest and want the special commercial room rate of \$52 per room Flat charge (double or single bed...2 or 4 people...same rate). Phone 317-872-9790.

NOTE ON FEST BANQUET

All members of ISTUG are eligible to attend the Banquet on Friday May 1 at 8 P.M. at the Holiday Inn-North. This is open to you, the vendors, lecturers and leaders from other user groups. The rate is \$14 per person paid in advance to us. This is a catered affair, but dress is semi-casual. We need your check or cash in hand by April 18, 1987 at the latest. Any questions on this call me at 317-473-8031 during the early evenings, 5 P.M. to 9 P.M. and I shall try to answer your questions. Paul Holmgren can also answer your questions on this. It should be fun and not too stuffy, so you can relax, eat and meet some of our famous vendors and software artists.

WAFADRIVE and SPECTERM64

by David K. Lebowitz

Recently David sent a downloaded copy of the CATUG Newsletter which he downloaded from the Nite Owl BBS in Chicago and had the following comments to make concerning using the Wafadrive, Specterm64 and Kurt Casby's Loader V.

As a Wafadrive user, you may be interested in the fact that this whole newsletter is held in one Spectral Writer file. It actually took exactly 351 lines, the full capacity of Spectral Writer. After downloading in x-modem, (using a borrowed version of Clifford & Grey's Specterm64 program that I am trying out to see if I want to buy it), I saved the file on wafer. Then I loaded Spectral Writer and loaded the file into S/W. Next, I saved from Spectral Writer to cassette. Then I switched over to TS2068 mode and loaded in Kurt Casby's UNLOADER program. I then loaded my cassette version through UNLOADER in order to get rid of carriage returns and line feeds, etc. Then I saved the cleaned up version on cassette tape and finally loaded it into Spectral Writer again. After a little minor editing, I printed out the final version.

I am interested in the Specterm64 program because of the fact that as a Wafadrive user, I am usually operating in Spectrum mode and can certainly use the Wafadrive for faster saves than cassette when telecommunicating. That program gives you X-Modem capability built-in along with the 64 column screen. Using MTerm and Casby's TXMODEM program, you must operate in TS2068 mode. If the text file in the newsletter had been uploaded in any other way than via MTERM, I could have had a clean version available for loading into Spectral Writer immediately.

Incidentally, I have found that programs like Specterm64 and Casby's Unloader that are designed to work with Tasword seem to work equally well with Spectral Writer - although my experience is somewhat limited at present.

FOOTE INTERFACE FIX

by James Kerr

I recently purchased a FOOTE interface for my Seikosha SP-1000A printer. It now allows me to use TECH-DRAW, BANNER and other AERCO and TASMAN B & C interface software. It also allows you to mount the Emulator chip such as Doug Dewey's EMU, or other ROM based software.

I had a problem getting it to drive the printer. The Seikosha SP-1000A (and possibly others) needs a HIGH on the STROBE line so BUSY will go LOW to accept DATA. I found this wasn't so from the interface. It is supposed to INITIALize the printer on computer power on. But it didn't on mine. So by cutting the trace going to pin 1 of the connector on bottom of the board then connecting pin 1 of the connector to pin 4 of the 74LS02 which is HIGH allows BUSY to go LOW and accept DATA. The printer works properly with this Mod. I would like to know if any others had this problem. I talked with Joe Williamson of FOOTE-SOFTWARE and he said he only had a problem with 1 other printer (still unsolved when I talked to him).

Enclosed is a copy of the P.C. board from S.U.M. magazine.

I hope it can help others if they encounter this type of problem. (see attached sheet)

Keep Plugg'in Away And let's share ANY tips in the Newsletter.

ZONE SELECTION NOTES

from Basil Wentworth

Paul (The Mad Programmer) Holmgren has refined our zone-selection program one more step. If you want to know whether a given number falls below, within, or above the selected zone, then the original program works well. If, however, all you want to know is whether or not it falls within the zone, and don't care whether excluded values are higher or lower, then the simplified program herewith will do the trick.

The simplified program works as follows: As before, BC is loaded with an index number (50, in this case), and A is loaded with the data. Then, when A is increased successively by 232 and by 10, the sequence of events is as follows:

LD A,	12	13	14...	23	24	25
A+232	244	245	246...	255	256	257
NEW A	244	245	246...	255	*0	*1
A+10	254	255	256...	265	10	11
carry?	No	No	Yes	Yes	No	No

When the content of a register exceeds 255, then 256 is automatically subtracted from it. (Actually, this procedure also is accompanied by a CARRY, but we aren't using that fact in this instance.)

REVISED ZONE-SELECT PROGRAM

THE REVISED M/C LISTING IS:

```

26715 62      LD A,
26716 25      data
26717 1       LD BC,
26718 50      50
26719 0
26720 198     ADD A,
26721 232     232
26722 198     ADD A,
26723 10      10
26724 56      JR C,
26725 1       1
26726 3       INC BC
26727 201     RET
    
```

* * * * *

THE REVISED 1 REM LINE IS:

```

1 REM > 7727 AND CONTINUE AND
7877< >
    
```

This gives us the program in the next column.

THE OPERATING PROGRAM:

```

*      1 REM > 7727 AND CONTINUE
*      AND 7877 < >
*     100 FOR F=10 TO 25
*     110 POKE 26716, F
*     120 PRINT F; " "; USR 26715
*     130 NEXT F
    
```

THE RESULT:

10	51
11	51
12	51
13	51
14	50
15	50
16	50
17	50
18	50
19	50
20	50
21	50
22	50
23	50
24	51
25	51

MOVING WELCOME

by Harvey Pulliam

The following short program was submitted by Harvey, one of our ISTUG members who resides in Texas. It is in the spirit of the upcoming Fest. Works on T52068.

```
10 PRINT AT 5,10;"W E L C O M E"
11 PRINT AT 7,2;"T O I N D I A N A P O L I S"
20 PRINT AT 10,10;"I S T U G"
25 PRINT AT 12,8;"COMPUTER FEST'87"
27 PRINT AT 13,10;"May 2 & 3 rd"
28 PRINT AT 15,7;"H A P P Y 2 N D"
30 PRINT AT 17,5;"A N N I V E R S A R Y"
40 CIRCLE 25,150,20
50 CIRCLE 224,150,20
60 CIRCLE 125,156,10
100 DIM A$ (32)
200 INPUT A$
300 FOR A=32 TO 1 STEP -1
400 PRINT AT 21,0;A$ (A TO )+A$ ( TO A-1)
500 NEXT A
550 PAUSE 120
600 GO TO 300
```

Enter the short program and then input your message to be scrolled.

ARCTAN COMPUTER VENTURES

I have had one other person, besides myself, that called to tell me that he wrote to Arctan Computer Ventures as I suggested in the December issue of the newsletter, that had received no response so far. Would anyone else who has experienced this let me know, and I will try to follow it up. I hope they are still in business.

OFFICER ELECTIONS

At our May user group meeting I would like to have as many of you there as is possible, in order that we may have an orderly election of officers for the Indiana Sinclair --Timex Users Group. Since I founded the club over a year ago I have been pretty much acting as President and have run the group along with the help of the first two members, Willie Jones and Paul Holmgren. Now let us have a formal election.

ISTUG MEMBERSHIPS AND NEWSLETTER SWAPS

by Carol Davis

Delete Stoney McMurray and change ATSU's address to 6564 C Reflections Dr., Dublin, OH 43017 (from listing on next page).

Silicon Valley Sinclair
Tech UG c/o Rita Carr
6675 Clifford Drive
Cupertino, CA 95014-4530

Harrisburg Area T.S.U.G.
c/o Dave Bennett
329 Walton Street (Rear)
Lemoyne, PA 17043

Mile High Chapter T/S Users
c/o Frank Holland
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Denver, CO 80210

Michael W. Swiderski
605 Hendricks
Anderson, IN

Gainesville Timex Users
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1627 DEWEY ST.
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```

9010 FOR n=1 TO LEN a$
9020 IF IN 127<>236 THEN GO TO
9020
9030 OUT 123, CODE a$(n)
9040 NEXT n
9050 OUT 123, 10
9060 RETURN

```

Line 9010 checks for the length of the string to be printed and sets this as the number of loops the program makes. Line 9020 checks to see if the printer is ready for data to be sent. My printer reports with 236 when its ready to receive data, yours may be different. To check yours, simply turn on the entire system and enter: PRINT IN 127 or 63 or 191, and this will give you the ready data. Use that if its different from mine. Once the printer is ready for data, line 9030 outputs to the printer the current 'slice' of a\$. It then goes back and gets the next character and continues till all of a\$ has been sent. Line 9050 then tells the printer that its finished sending and to do one linefeed.

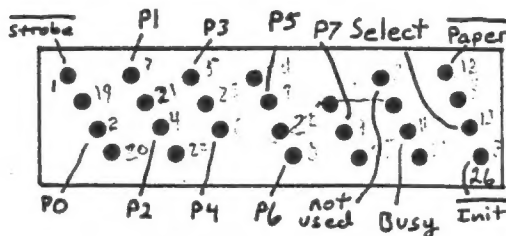
If you like to experiment, try removing line 9020 and see how far you can print till things get jumbled. I can usually print at least a whole line. Without line 9020, its like shooting in the dark continuously, hoping that maybe you will hit the target at least once!

The EPROM part of the interface gives you the ability of using the printer interface with a spectrum emulator. Doug Dewey's EPROM from his EMU-1 will work as well as other EPROMs such as those from Ray Kingsley and others which are slowly making their way to the marketplace.

FOOTE SOFTWARE intends to offer this interface as the FOOTE PRINT and will include MC software for LPRINT and LLIST and possibly COPY. Write to them for details (see ad this issue). Price is expected to be less than \$50.

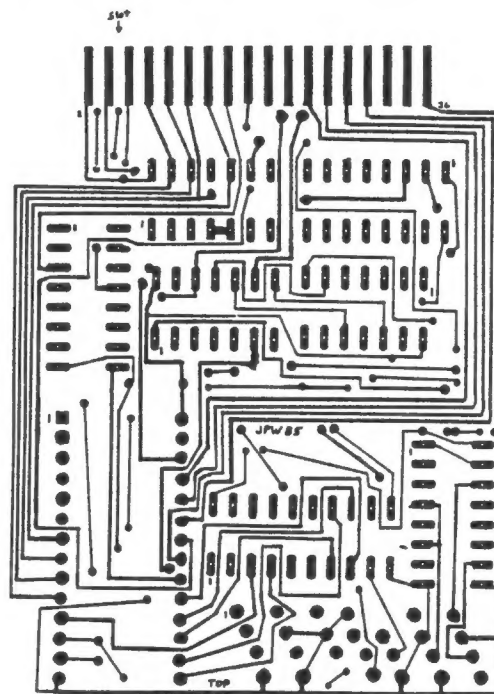
-- Joe Williamson

Top view of ribbon wire connector

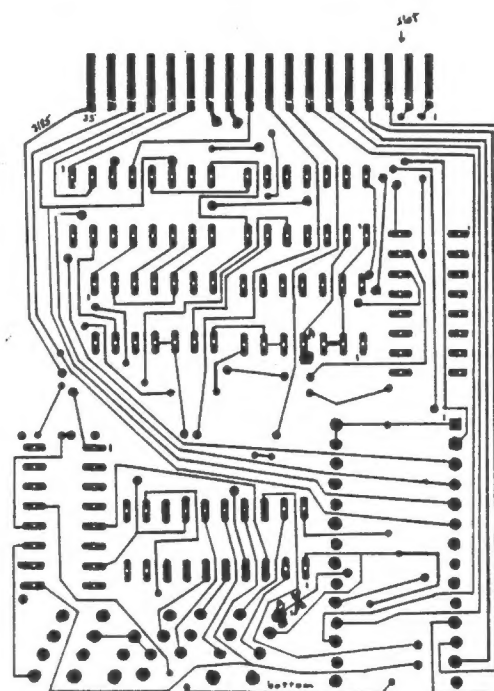


unmarked pins are grounded

Enlarged view of wire ribbon connections on board



Front and back of circuit board (actual size)



X-CUT
JUMPER A pin 4 74LS02
to pin 1 CONNECTOR
AT BOTTOM